"...together we achieve the extraordinary..."

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COAIRE

COAIRE, Div. of
Quietside Corporation

OILLESS SCROLL AIR COMPRESSOR

Maintenance Manual and Parts List

MODELS

CSOF-S3PL(H)

CSOF-S5PL(H)

SERIAL NO.		MODEL NO.	

CAUTION
For proper and safe use of the compressor, please follow all instructions and safety precautions as identified in this manual, along with general safety regulations and practices.

SAFETY AND PRECAUTIONS

Before you install the air compressor you should take the time to carefully read all the instructions contained in this manual. Electricity and compressed air have the potential to cause severe personal injury or property damage. Before installing, wiring, starting, operating or making any adjustments, identify the components of the air compressor using this manual as a guide. The operator should use common sense and good working practices while operating and maintaining this unit. Follow all procedures and piping accurately. Understand the starting and stopping sequences. Check the safety devices in accordance with the following procedures contained in this manual. Maintenance should be done by qualified personnel, accurately with proper tools. Follow the maintenance schedule as outlined in the manual to ensure problem free operation after start up.

SAFETY AND PRECAUTIONS

BEFORE INSTALLING THE COMPRESSOR OR PERFORMING ANY MAINTENANCE READ THIS MANUAL CAREFULLY.

WARNINGS

COMPRESSED AIR AND ELECTRICITY ARE DANGEROUS. BEFORE DOING ANY WORK ON THIS UNIT, BE SURE THE ELECTRICAL SUPPLY HAS BEEN SHUT OFF(LOCKED AND TAGGED) AND THE ENTIRE COMPRESSOR SYSTEM HAS BEEN VENTED OF ALL PRESSURE.

1. Do not remove the cover, loosen or remove any fittings, connections or devices when this unit is operating or in operation. Hot liquid and air that are contained within this unit under pressure can cause severe injury or death.
2. The compressor has high and dangerous voltage in the motor, the starter and control box. All installations must be in accordance with recognized electrical procedure. Before working on the electrical system, ensure that the system's power has been shut off by use of a manual disconnect switch. A circuit breaker or fuse switch must be provided in the electrical supply line to be connected to the compressor. The preparation work for installation of this unit must be done on suitable ground, maintenance clearance and lightning arrestors for all electrical components.
3. Do not operate the compressor at a higher discharge pressure than those specified on the compressor nameplate. If so an overload will occur. This condition will result in electric motor compressor shutdown.
4. Use only safety solvent for cleaning the compressor and auxiliary equipment.
5. Install a manual shut off valve(isolation type) in the discharge line for service work.
6. Whenever pressure is released through the safety valve during operation, it is due to excessive pressure in the system. The cause of excessive pressure should be checked and immediately corrected.
7. Before doing any mechanical work on the compressor,
   a) Shut down the unit.
   b) Electrically isolate the compressor by use of the manual disconnect switch in the power line to the unit. Lock and tag the switch so that it cannot be operated.
   c) Release all compressed air within the system and isolate the unit from any other sources of air.
8. Allowing the unit lubricants to enter into the plant air system must be avoided at all times. Air line separators, which are properly selected and installed, can reduce any liquid carry-over close to zero.
9. Before starting the compressor, the maintenance instructions should be thoroughly read and understood.
10. After maintenance work is completed, covers must be securely closed.
11. For questions contact your distributor before proceeding.

STATEMENT OF WARRANTY TERMS & CONDITIONS

COAIRE's oilless scroll compressors are warranted to be free of defects in materials and workmanship under proper use, installation, and application. This warranty shall be for a period of 15 months from date of shipment from our factory or other stocking facilities or 12 months from date of installation. Proof of installation date will be required. All air pumps outside the U.S. and Canada carry a parts only warranty.

ALL FREIGHT DAMAGE CLAIMS ARE NOT THE RESPONSIBILITY OF THE MANUFACTURER AND ARE NOT COVERED UNDER WARRANTY AS ALL PRODUCTS ARE SHIPPED F.O.B. SHIPPER.

PLEASE DIRECT ALL FREIGHT CLAIMS TO THE SHIPPER IN QUESTION.

MAINTENANCE AND ADJUSTMENTS

This warranty does not apply to any unit damaged by accident, modification, misuse, negligence, or misapplication. Damage to pumps by exposure to ammonia, any other corrosive substance or sub-freezing environment will be considered misuse.

Any air pumps, part or material found defective will be repaired, replaced or refunded, at the sellers option free of charge, provided that COAIRE is notified within the above stated warranty period. All returns of allegedly defective equipment must have prior written authorization. Said authorization may be obtained through our service department. All air pumps, parts, materials must be returned freight prepaid to the Manufacturer's factory within 30 days of return authorization date. Any shipment returned to the factory collect will be refused.

If an item is found to be warrantable, the repaired item or replacement will be returned normal ground freight prepaid within the continental United States and Canada. Expedited shipment costs are the responsibility of the requestor.

Any replacement part or material is warranted only to the extent of the remaining warranty period of the dryer or to the extent as provided by the supplier, whichever is longer.

IDENTIFICATION PLATE

The identification plate is located on the side of the air pumps and shows all the primary data of the pump. Upon installation, fill in the table on the previous page with all the data shown on the identification plate. This data should always be referred to when calling the manufacturer or distributor. The removal or alteration of the identification plate will void the warranty rights.

DISCLAIMER

The warranty does not cover any responsibility or liability for direct or indirect damages to persons, or equipment caused by improper usage or maintenance, and is limited to manufacturing defects only. Refer to COAIRE Warranty policy manual for travel, mileage and special charge considerations. The warranty will be immediately voided if there are changes or alterations to the compressor.

WHO TO CONTACT IF YOU HAVE A WARRANTY CLAIM:

COAIRE, Div. of Quietside Corporation

(888)7coaire, 726-2473 • Phone (562) 463-3935 • Fax (562) 463-4928

8740 Pioneer Blvd., Santa Fe Springs, CA 90670

All freight damage claims should be filed within15 working days and should be directed to the carrier

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1. CAUTIONS

Please be Please be aware of the dangers that can be caused. If the danger can not be prevented, loss of life or injury can be caused.

Please install the product in areas free of explosives (acetylene, propane gas, etc) or flammable substances. In case of operating the product in flammable environment, fire or explosion can be caused.

Please make sure the circuit breaker has been powered down before inspection or repairing or maintenance work. If you perform inspection or repair without powering down the circuit breaker, electric shock or injury can occur. When connecting power, make sure to use Crimp-Type terminal. Please check the connecting area and supply power after all procedures have been completed. Always comply to the National Electric Code and any local requirements.

When the circuit breaker is turned on during the operation, do not touch the rotating parts (fan, pulley, belt, etc). Your hand may get stuck to the product. When the compressor is operating, the product will be operated or stopped automatically based on the pressure. Please be aware of the danger.

Compressed air has great power. Flying parts can cause serious injury. Before stopping the compressor, always make sure to turn off the main power and eliminate the pressure of all elements related to the compressor or pipes.

In closed space, install compressor ventilation fan and maintain the ambient temperature below 104'F (40°C) and please make sure the average temperature is below 85'F (30°C). Please install the product in areas free from direct sunlight, rain, dust, corrosion or toxic gas. Operating in inappropriate areas can cause product deterioration or damages.

When opening the door or disassembling the panel for inspection, repair or maintenance during or after operation, do not touch the product directly. And do not insert flammable substance in hot areas such as discharge pipe, after-cooler, basic compressor, etc. There can be danger of fire or burns.

Do not modify the compressor. Do not use the product for purpose other than air compression. Product can deteriorate or be damaged. Please use standard parts for parts replacement related to the compressor repair. Consult your distributor

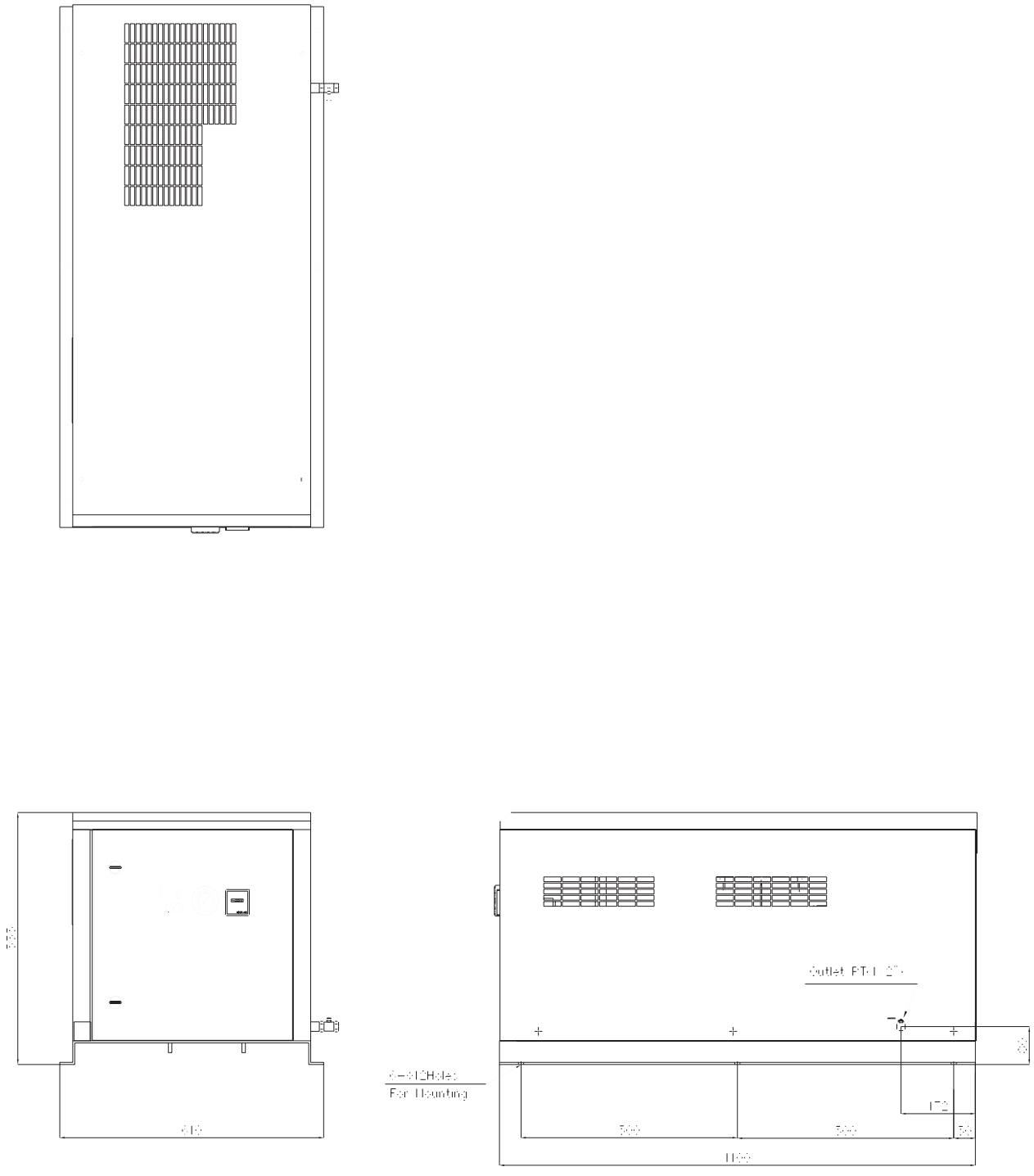
2. BASIC SPECIFICATION

2.1 General Data

Model			CSOF-S3PL(H)	CSOF-S5PL(H)
Compressor	Pump Model		BC-KL31L(H)	BC-KL51L(H)
	Capacity Control		Pressure Switch	
	Discharge Pressure(L/H)	PSI	114~93 / 140~119	
	Free Air Delivery(L/H)	cfm(ℓ/min)	8.5/7.2 (240 / 205)	14.1/12.0 (400 / 340)
	Revolutions	rpm	2200(2000)	3150(2900)
	Discharge Air Temperature	°F(℃)	Below Intake Air Temperature + 54(30)	
	Air Outlet	Inch	1/2	1/2
	Noise (Front 1.5m)	dB(A)	49	49
Motor	Type		Open Drip-Proof, 4 Poles, B	
	Output	kW(HP)	2.2(3)	3.7(5)
	Power	Volt,Ph,Hz	208-230/460V,3Ph, 60Hz	
	Rating Current	Amp	8.9-5.1/4.5	14.2-8.2/7.0
	Starting		Direct (Sequence Start)	
Protection Devices	Overheat Stop	°F(℃)	176(80)	
	Over Current Stop		Attachment	
Dimension (W×D×H)		Inch(mm)	24”x 43.1/3”x21” (610 × 110 × 535)	
Weight		Lbs(Kg)	287(131)	308(140)

1. Noise level is the measurement from acoustic room.
2. The size is the size of the external design of the package. Protruding areas such as discharge ball valve had been excluded in the measurement.

2.2 Compressor Outside View

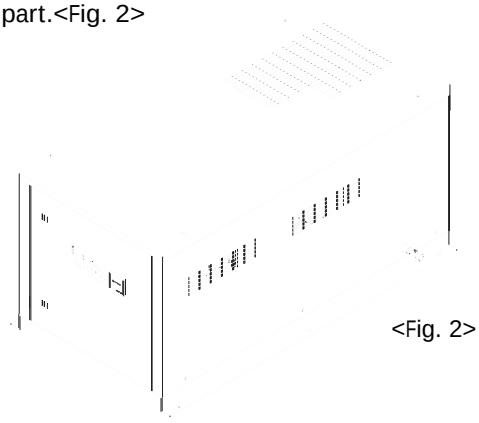


<Fig. 1>

3. INSTALLATION, WIRING AND PIPING PRECAUTIONS

3.1 Product Check

1. Please check whether the product you have received is the one you have ordered.
2. Please check for loosened bolts or nuts in each part.<Fig. 2>



<Fig. 2>

3.2 Machine Movement

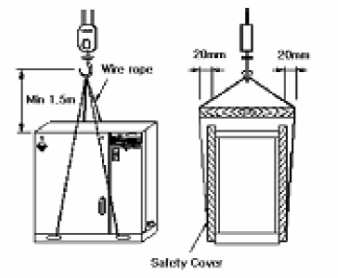
3.2.1 Use Forklift or Hand Car

When moving the product using the forklift or hand car, please protect the product using cushioning to prevent external damage. Check if the fork has been inserted completely into the hole before moving. <Fig. 3>

3.2.2 Using the Crane

Protect the product from direct contact with chain or rope on the external cover before moving. <Fig. 4>

<Fig. 3>



<Fig. 4>

3.3 Installation

3.3.1 Installation Precautions

Our compressor is for indoor use. Sufficient size of room where it is easy to inspect and maintain the machine is needed.

☞ Please select installation location considering below conditions.

1) Make sure the location has good air circulation with low temperature and humidity.

   - Surrounding temperature must not rise above 104˚F(40°C).
   - Ventilation fan must be installed in locations with low ventilation.

2) Please choose a location with little dust.

3) Please choose locations with no toxic fumes.

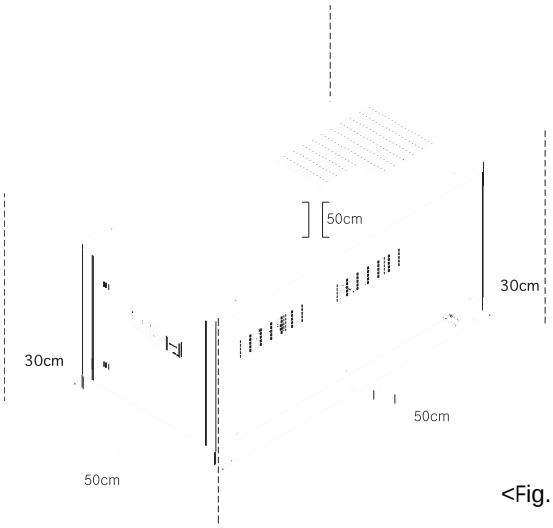
4) Space needed for inspection and maintenance must be secured.

   - For disassembled inspection for compressor, secure enough space as shown in <Fig. 5>.

5) This product has low vibration. Therefore, it may not create negative effect in the surrounding. However, the ground solidity must be strong enough to endure total weight of the machine.

6) Please make sure the range of voltage change is within 10%.

7) If the noise created is reflected off the wall, the noise may increase compared to the noise of normal operation.



<Fig. 5>

3.4 Ventilation Condition

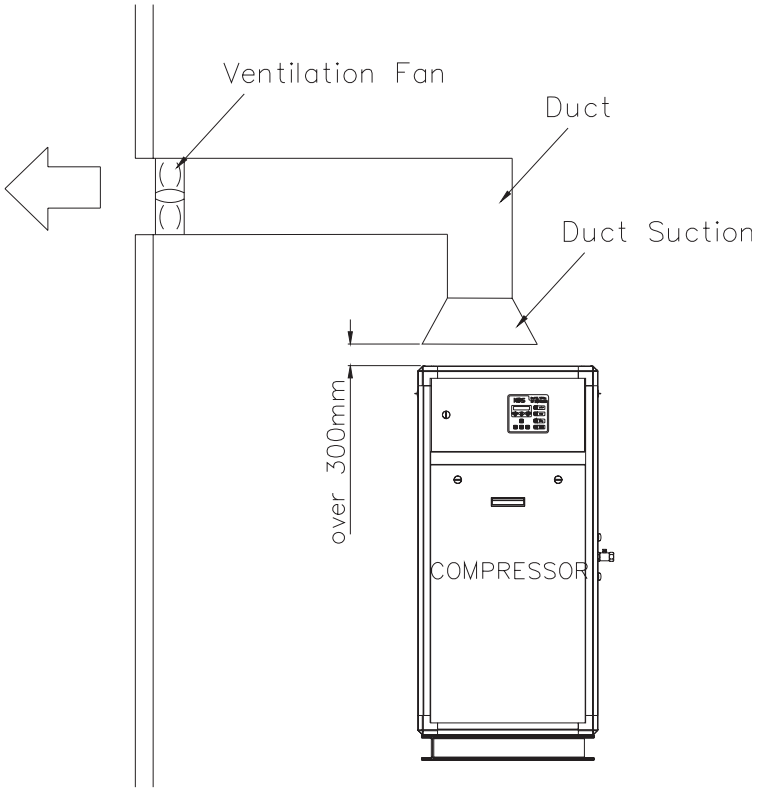
- In case of bad indoor ventilation in compression room, the discharge air temperature may rise.

1) Refer to the following table for the ventilation air velocity needed to block 9˚F(5˚C) rise of indoor temperature. This air flow is the figure for static compression of 0 PSI. Please choose a figure greater than this figure.

2) When installing ventilation duct, make sure the pressure drop in the room is as low as possible and please attach ventilation fan in the ventilation area. Also for easy repair and maintenance, make sure the distance between duct entrance and compressor ventilation hole is 12 inch (300mm) or more. <Fig. 6>

3) Make sure the duct suction hole is greater than the ventilation size below.

MODEL	CSOF-S3PL(H)	CSOF-S5PL(H)
FAN AIR FLOW cfm(m^3/min)	883(25)	1342(38)



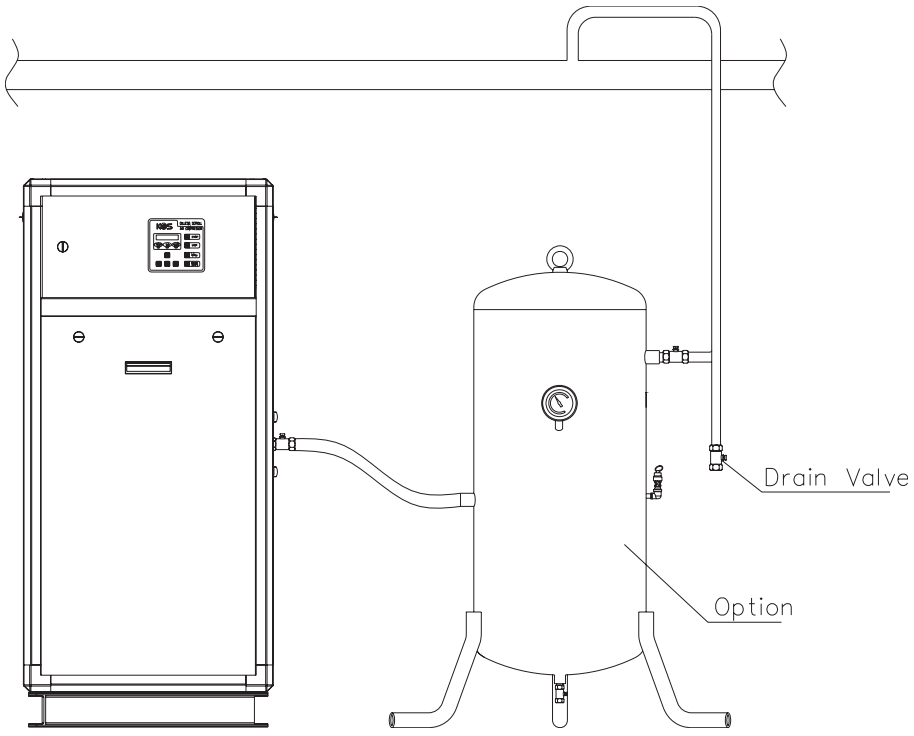
<Fig. 6>

3.5 Piping

To maximize efficiency pipe bends, connections and piping should be kept to a minimum amount. Improper piping can cause pressure drop and false air compressor demand higher than necessary operating pressures which increase your operating costs. Moisture in the piping may rupture in freezing temperatures. Therefore, moisture management must be considered. Please consult your Coaire distributor for proper installation.

Precautions

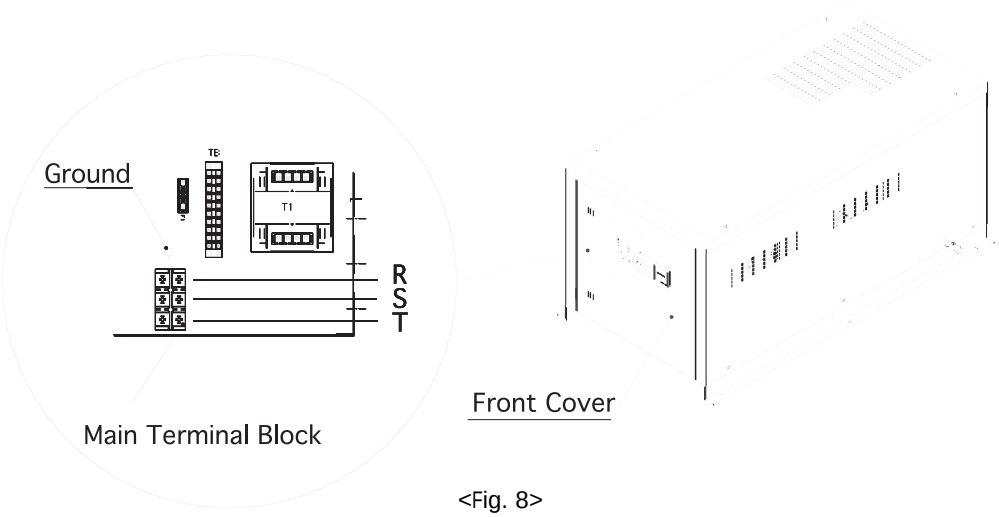
1. Make sure the length of the pipe is as short as possible for less pressure drop and reduce the number of connecting joints such as valve, elbow, etc.
2. Please install drain plug in the lower area of the pipe.
3. Please install bypass pipe on the compressor to facilitate maintenance.
4. There is a check valve installed inside the compressor. Do not install separate check valve in the pipe. When installed, there can be an error in load-unload information.
5. In cases with varying demand, it is desirable to install a separate tank.
6. As for the main piping, provide sloping for moisture damage. (About 1/100).
   Please consult your distributor.



<Fig. 7>

3.6 Wiring

1) Wiring is already completed inside the compressor. Just connect the power adaptor to complete wiring.
2) Please use terminal when connecting power adaptor.
3) Power circuit breaker must be installed and short circuit must be protected through short-circuit breaker.
4) Please open the front control panel.
5) Insert power cable through the power cable hole (rubber attachment) on the right surface to connect to electric connector.
6) Please refer to the table below to select power cable thickness, terminal size and applying circuit breaker.



<Fig. 8>

7) Please refer to following table for the terminal needed for power connection.

Models	Wire AWG Size (mm²)	
	Power 230V / 460V	Ground
CSOF-S3PL(H)	14 (2.0)	10 (3.5)
CSOF-S5PL(H)	10 (3.5) / 14 (2.0)	10 (3.5)

8) Please protect short circuit by installation circuit breaker into the main power cable of the compressor.

9) To prevent electric leakage, please connect connector to the main terminal block.

10) Refer to following table for the wire thickness and applicable circuit breaker.

11) Always meet NEC and/or local codes, consult your distributor

Models	Fuse Type B	Circuit Breaker(Amp)
		230V / 460V
CSOF-S3PL(H)	30A	15 / 10
CSOF-S5PL(H)	30A	30 / 15

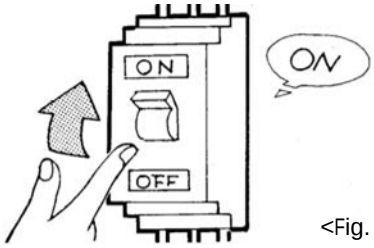
4. OPERATION METHOD

4.1 Trial Operation

1) Please make sure the power cable and connector are connected.

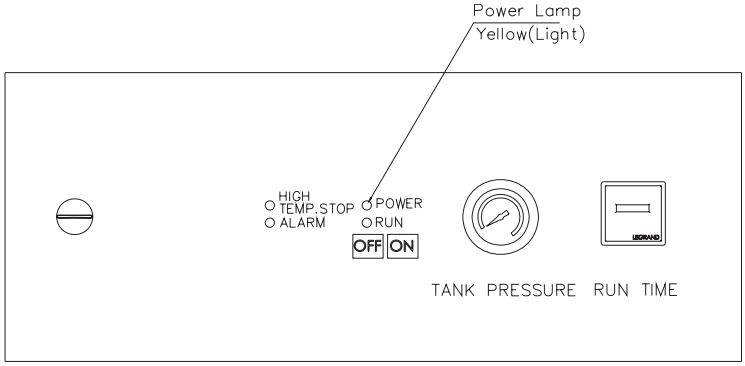
2) Please make sure the drain valve is closed.

3) Turn "ON" the power circuit breaker. <Fig. 9>



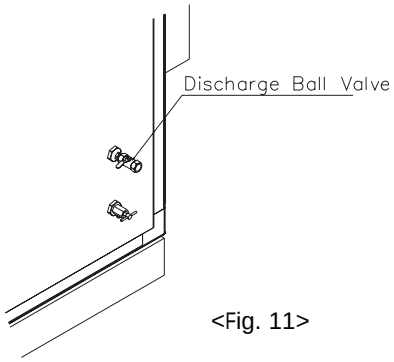
<Fig. 9>

4) Please make sure the power lamp has been turned on. At the same time, check if the alarm lamp is turned off. If the temperature sensor code is detached, alarm lamb will be turned on. At this time, please reconnect temperature sensor.<Fig. 8>



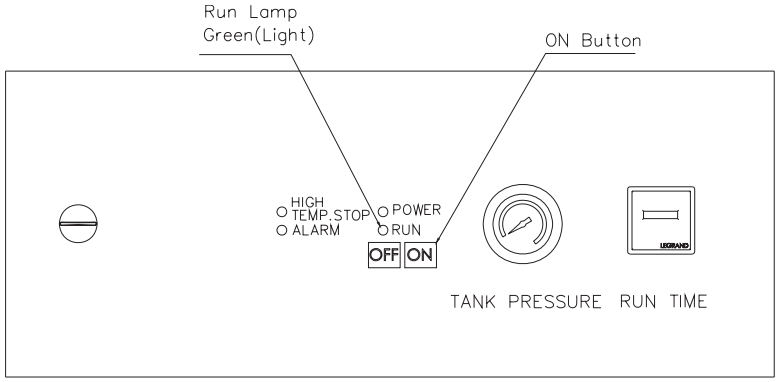
<Fig. 10>

5) Please close the discharge ball valve. <Fig. 11>



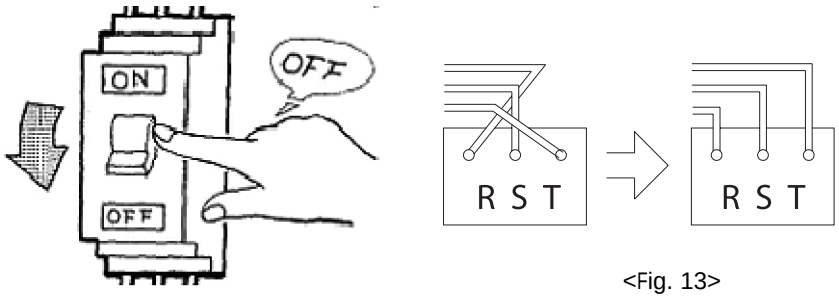
<Fig. 11>

6) Press ON button on the control area of the control box and check to make sure the compressor spins. <Fig. 12>



<Fig. 12>

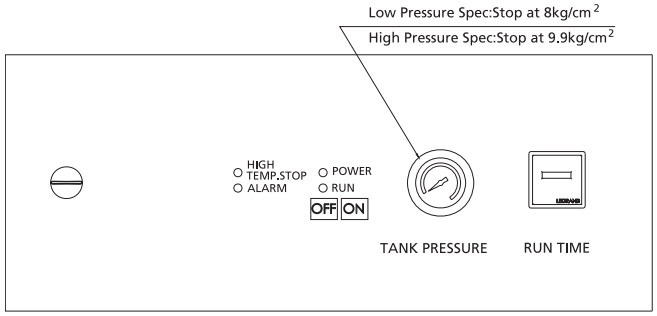
7) When the pressure does not rise, set Three Phase to "OFF" for power circuit breaker and change two phases from the power within electronic switch. (Other than that, please check the cause for appropriate repairing measure from the [Cause and Remedies for Problem].) <Fig. 13>



<Fig. 13>

8) DISCHARGE PRESSURE CHECK

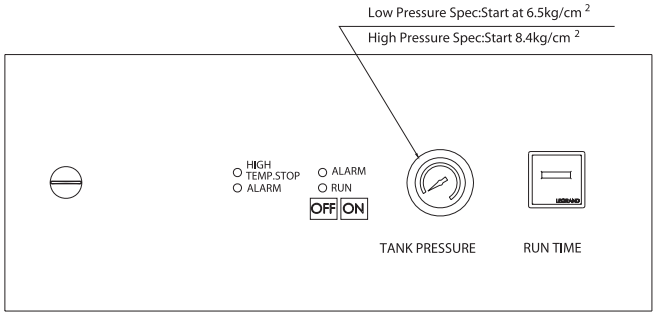
Using the compression pressure gauge, check if the pressure rises to the level set after the operation. If the air tank pressure rises up to 114/140 PSI(8.0/9.9 Kg/cm²G), the operation stops automatically. Figure inside () is high pressure specification.<Fig. 14>



<Fig. 14>

9) CHECK THE PRESSURE SWITCH OPERATION

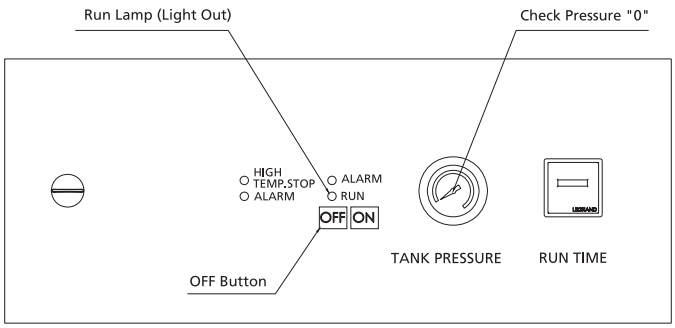
Open the discharge ball valve and reduce the pressure and check to make sure if the product operates automatically at 92/119 PSI(6.5/8.4 Kg/Cm²G). <Fig. 15>



<Fig. 15>

10) STOP

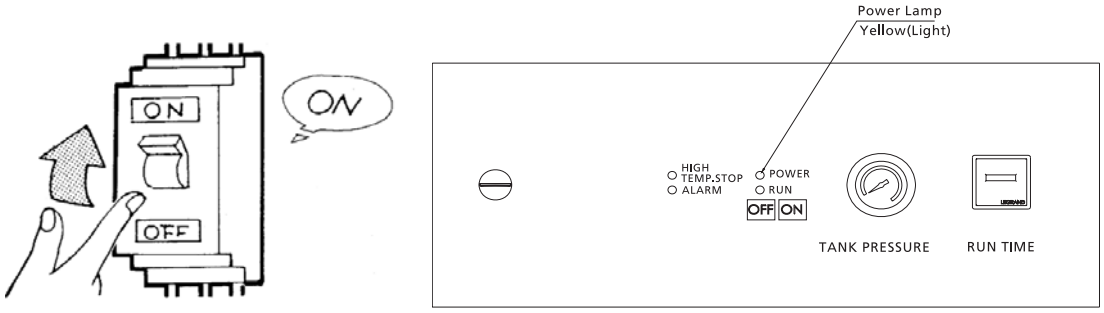
Press OFF button in the control area of the control box. Then, check and make sure if the discharge pressure is 0PSI/cm2(g). Here, the sound of discharging compressed air is not a sign of damage. <Fig. 16>



<Fig. 16>

4.2 General Operation

1) Turn on the power circuit breaker and check and make sure ON lamp is on. <Fig. 17>



<Fig. 17>

2) START COMPRESSOR

Press the ON button in the control area of the control panel and observe whether the compressor is operating. If the operation lamp is lighted, check the pressure rise using the compression pressure gauge.

3) CHECK DISCHARGE PRESSURE

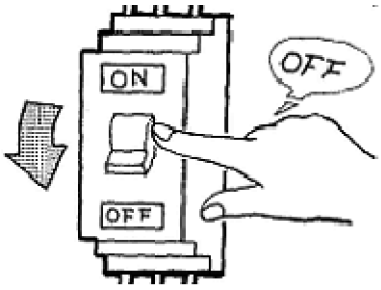
Check if the air tank compression rises up to 114/140 PSI(8.0/9.9 Kg/cm²G).

5) STOP

Press OFF button and check if the compressor had stopped operating. If it counter-spins for more than five seconds after turning off the power, the check valve sheet may be damaged. In that case, exchange the check valve.

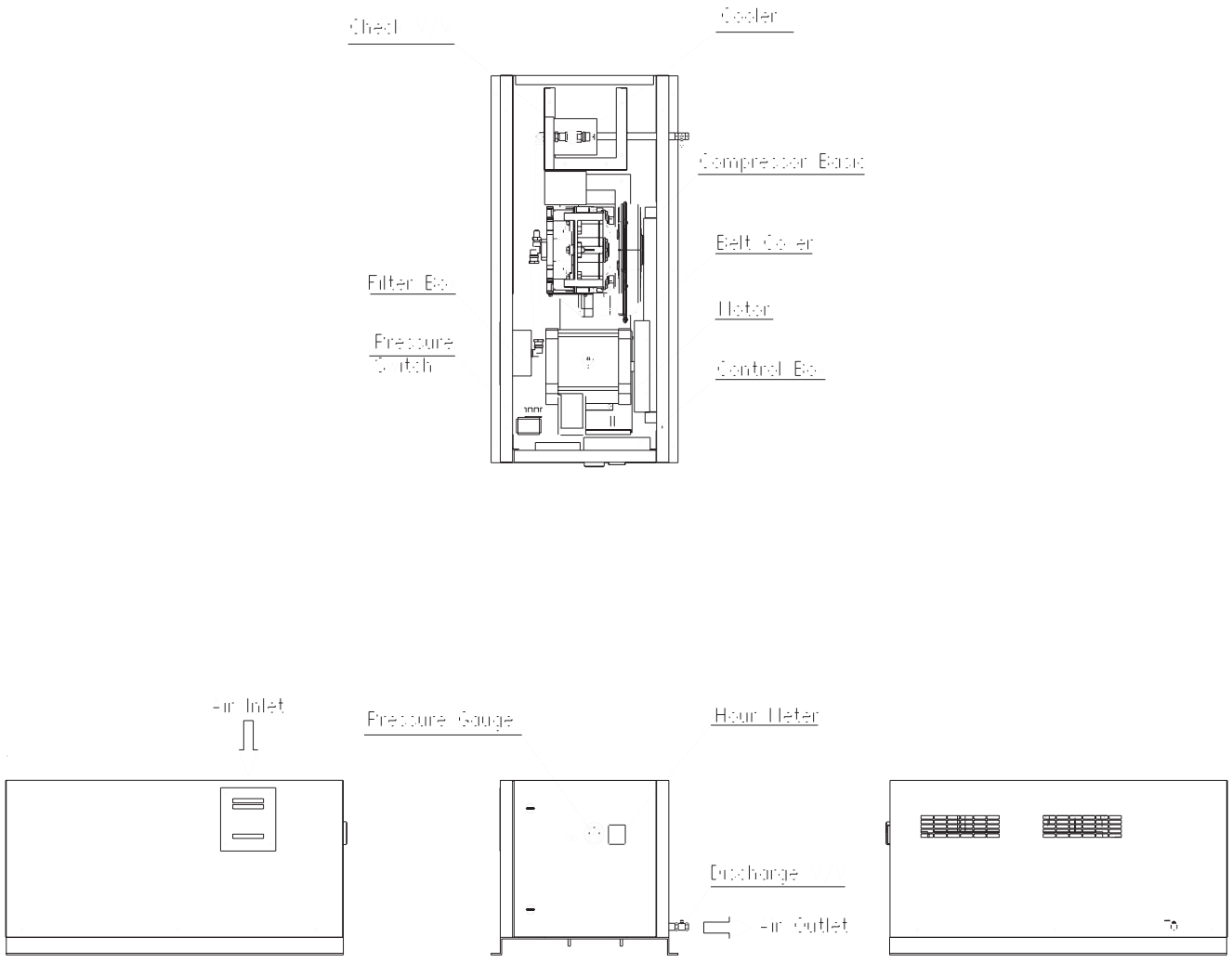
6) TURN OFF THE POWER CIRCUIT BREAKER

When stopping the compressor for a long period of time, turn "OFF" the power circuit breaker. <Fig. 18>



<Fig. 18>

5. COMPRESSOR STRUCTURE



<Fig. 19>

6. PERIODIC CHECK UP AND MAINTENANCE

6.1 Maintenance Standard

• Low Pressure Specification(CSOF-S3,5PL)

Item / Check Parts	Check Method	Maintenance Standard (Running Time)						Remark
		Daily	400Hr or 2months	2,500Hr or 1year	5,000Hr or 2years	10,000Hr or 4years	20,000Hr or 8years	
Drain	drain discharge	○						act after first operation
Intake Filter	cleaning replacement		○	•				exchange in case of pollution
Intake Metal Screen	cleaning			○				
Basic Fan	cleaning					○ ★		
Basic Fan Duct	cleaning					○ ★		
FS, OS Cooling Fin	cleaning					○ ★		
Grease	re-grease					○ ★		use our approval goods
Tip Seal	replacement					• ★		
Dust Seal	replacement					• ★		
V-BELT	checking replacement			☆ tension adjustment		• ★		looseness makes noise
Temperature Sensor	checking operation					○ ★		check display figure, replace case of abnormal
Pressure Switch	checking operation					○ ★		check operation, replace in case of abnormal
Magnet Switch	replacement				○ ★	• ★		
Safety Valve	checking operation		○					
Check Valve	replacement			○ ★		• ★		replace in case of abnormal
Ventilation Fan	checking		○					replace in case of abnormal
Motor Pulley	checking groove					○ ★		replace in case of abnormal
Motor	checking insulation, bearing				○ ★		• ★	replace in case of abnormal
Intake Hose	replacement				○	• ★		
O-ring	replacement					• ★		
Piping	check leak			○				
Basic	overhaul					○ ★	• ★	replace in case of abnormal

• High Pressure Specification(CSOF-S3,5PH)

Item / Check Parts	Check Method	Maintenance Standard (Running Time)						Remark
		Daily	400Hr or 2months	2,500Hr or 1year	5,000Hr or 2years	10,000Hr or 4years	20,000Hr or 8years	
Drain	drain discharge	◦						act after first operation
Intake Filter	cleaning replacement		◦	•				exchange in case of pollution
Intake Metal Screen	cleaning			◦				
Basic Fan	cleaning					◦ ★		
Basic Fan Duct	cleaning					◦ ★		
FS, OS Cooling Fin	cleaning					◦ ★		
Grease	re-grease				◦ ★			use our approval goods
Tip Seal	replacement				• ★			
Dust Seal	replacement				• ★			
V-BELT	checking replacement			☆ tension adjustment	• ★			looseness makes noise
Temperature Sensor	checking operation					◦ ★		check display figure, replace case of abnormal
Pressure Switch	checking operation					◦ ★		check operation, replace in case of abnormal
Magnet Switch	replacement				◦ ★	• ★		
Safety Valve	checking operation		◦					
Check Valve	replacement			◦ ★		• ★		replace in case of abnormal
Ventilation Fan	checking		◦					replace in case of abnormal
Motor Pulley	checking groove					◦ ★		replace in case of abnormal
Motor	checking insulation, bearing				◦ ★		• ★	replace in case of abnormal
Intake Hose	replacement				◦	• ★		
O-ring	replacement					• ★		
Piping	check leak			◦				
Basic	overhaul					◦ ★	• ★	replace in case of abnormal

Here, ◦ means that check up is needed and • means exchange is necessary.

★ mark requires repair of professional serviceman. In that case, please contact the agency or the shop where you have purchased the product. (Perform ☆ only upon initial operation and perform annual check up (every 2,500Hr).

※ Maintenance Standard (running time) is the figure computed from standard usage condition. In case of bad operation condition, reduce the period of usage and perform periodic check up. In particular, the product can be highly affected by the surrounding temperature. Therefore, the surrounding temperature is set to less than 104'F(40'C) and annual average temperature of less than 86'F(30'C).

※ Maintenance standard is not the guarantee period.

※ Standard Use Condition : Less than 8 hours every day, good ventilation and surrounding temperature of 36'F-104'F(2'C-40'C)

⚠ CAUTION

Compressed air has great force and rotating part may cause severe injury. When repairing the compressor, make sure to turn off main power and eliminate pressure from the compressor and all relevant pipes.

⚠ CAUTION

When opening the panel immediately after the inspection, repair or operation, do not touch hot areas such as main operation device, after-cooler, discharge pipe and etc with hands. Also, do not insert flammable substance. It could cause fire or burn.

6.2 Inspection Method

Periodic Inspection guidelines are minimum standards. Service operating conditions require additional maintenance and shortened service intervals.

Daily Inspection

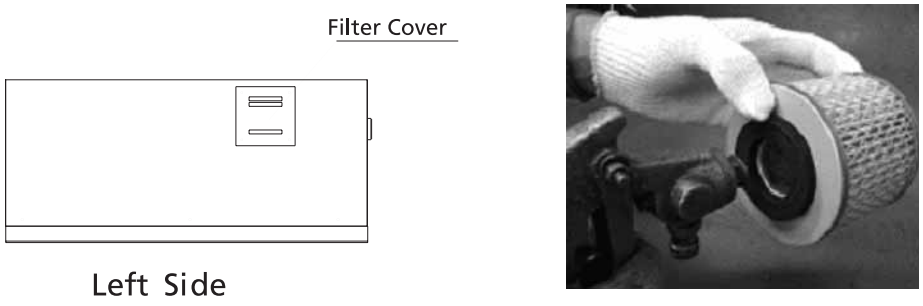
- **Drain Discharge**

  To discharge water compressed in the tank, use the drain valve in the tank and discharge everyday in a point of pressure rise immediately after operation.

Inspect Every 400 Hours

- **Filter element cleaning, exchange**

  1. Separate left cover.
  2. Separate suction filter to remove the element.
  3. Clean or replace.
  4. In case of severe contamination, replace the filter element.



<Fig. 20>

INSPECT EVERY 2,500 HOURS

- **Inspect V-BELT tension**

- This compressor was manufactured with a adjustable, motor base so it is easy to adjust the V-BELT tension.

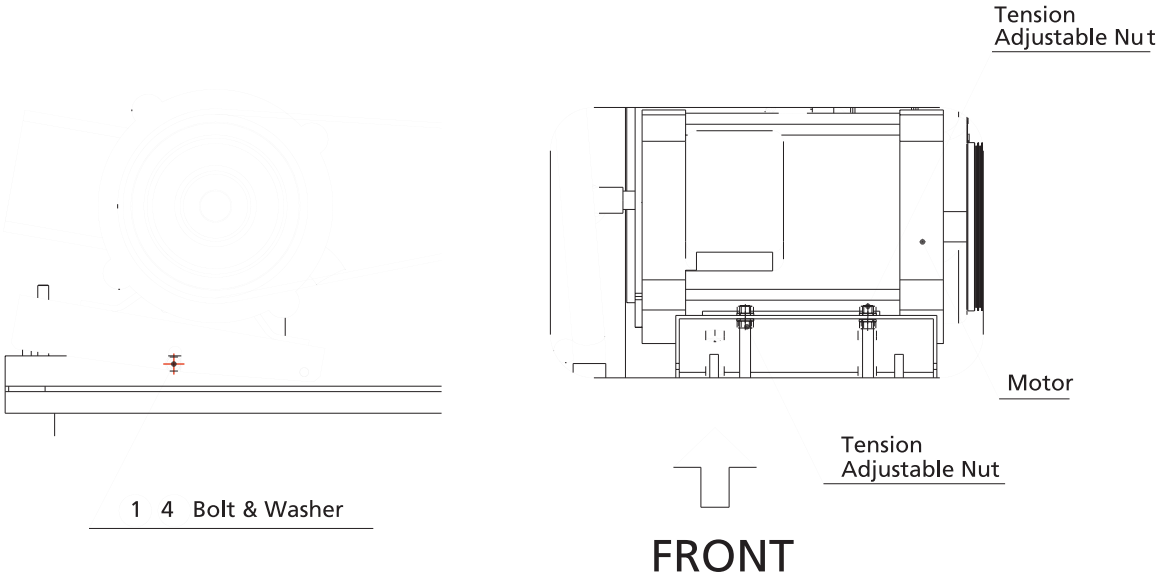
  1) Loosen 2 bolts & washers marked in the picture below.

  2) Completely loosen the top and bottom height adjusting nut and adjust in a location where V-Belt is stretched by the motor weight. Rotate two nuts on the upper area and tighten the nut until it touches the base.

  3) Please tighten and lock height adjusting nut at the bottom.

  4) Firmly tighten two bolts and washers.

Models	new belt load/deflection kg / 10mm	Re-adjustable belt load/deflection kg / 10mm
CSOF-S3PL(H)	4±0.5	3.5±0.5
CSOF-S5PL(H)	6±0.5	5.5±0.5



<See Fig. 21>

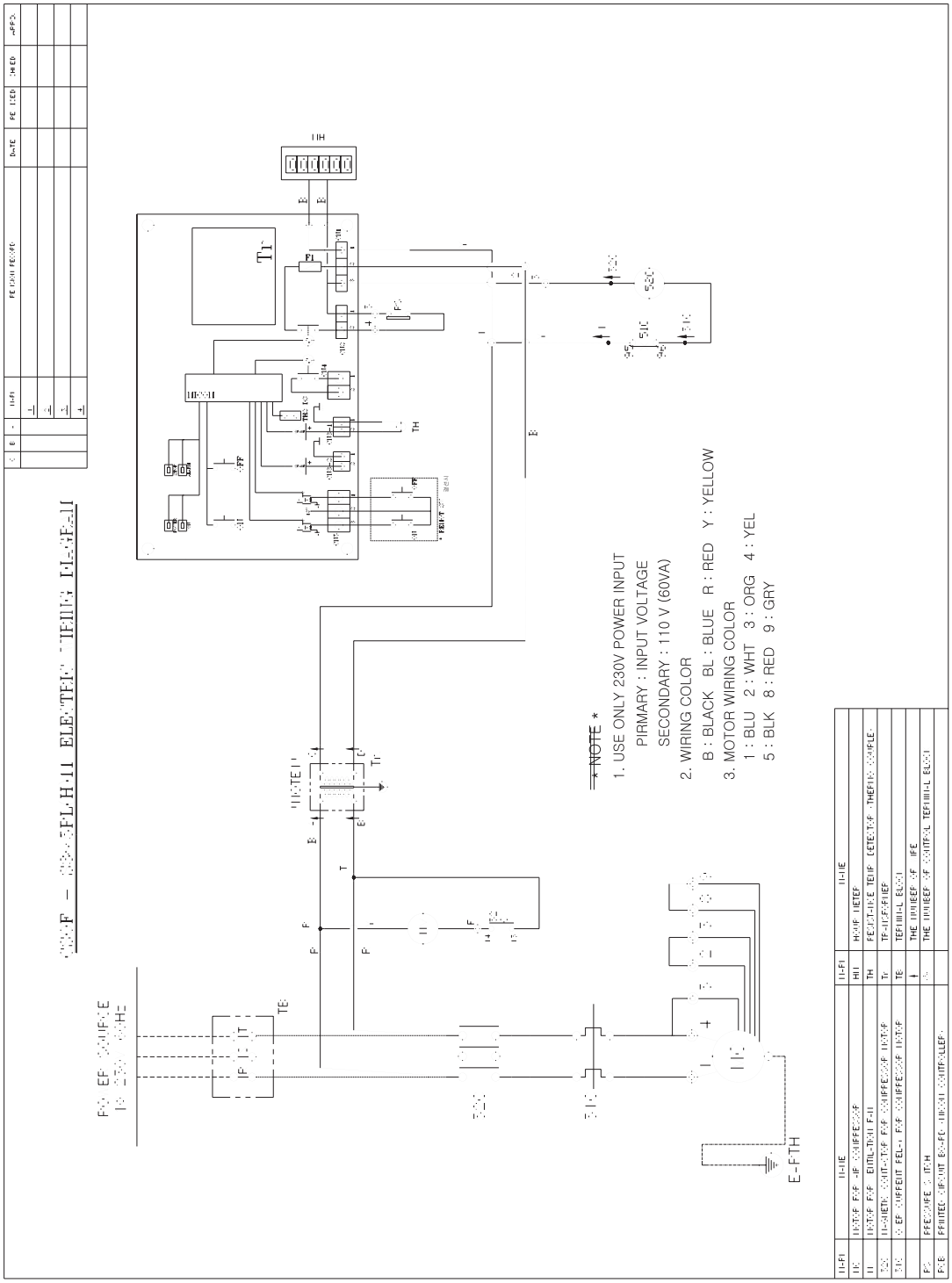
7. CAUSES AND REMEDIES FOR PROBLEM

- In case of problem, please follow the instructions provided in the below table.
- Please refer to the method of handling the cases considered as problem and general management for the usage.

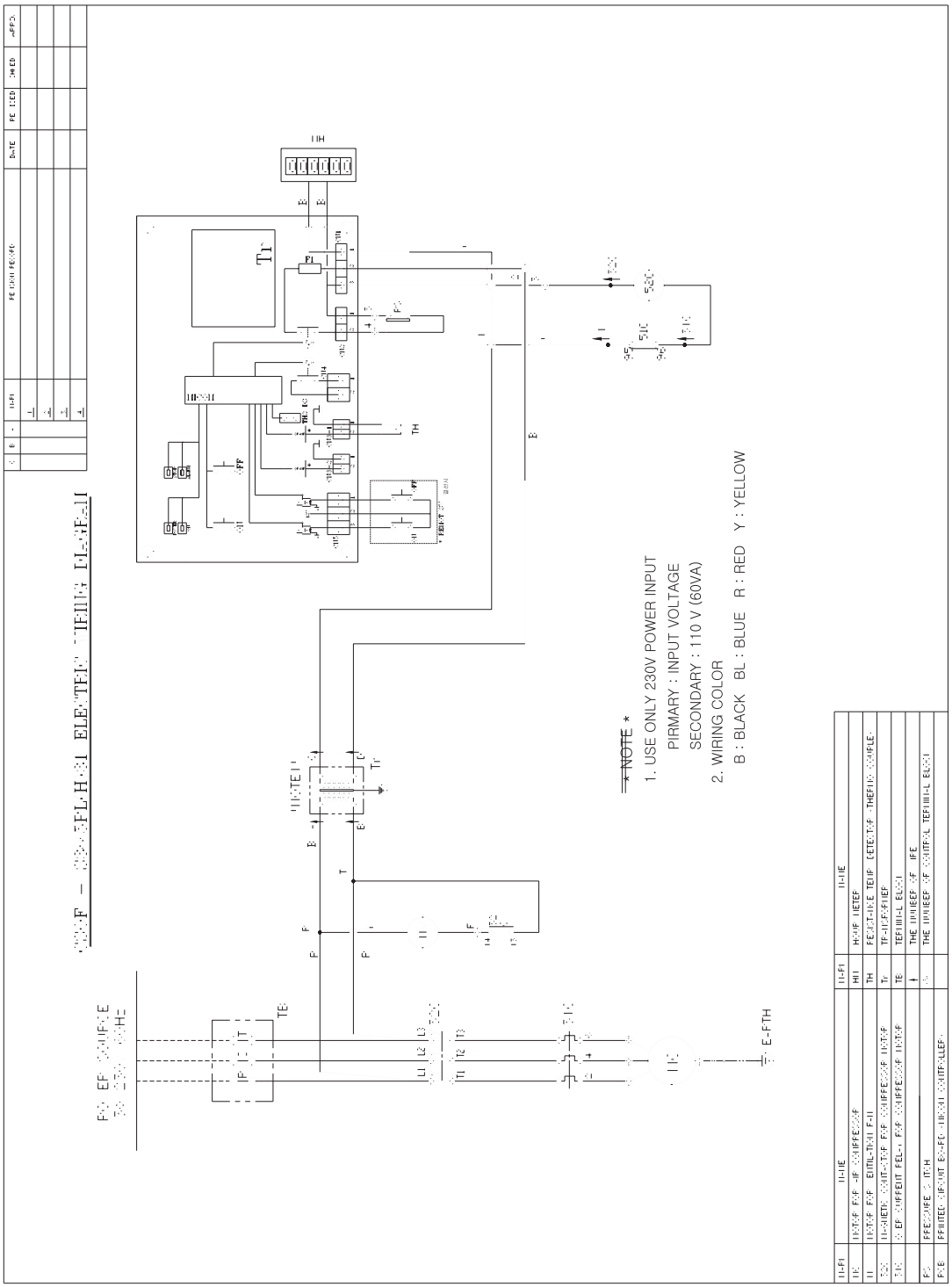
States	Causes		Remedies
Compressor does not operate	display is OFF, does not operate.	main power is not connect	connect power
		not connect or short circuit	repair, replace
		substrate is not good	repair, replace
		cut off fuse	replace
	display is ON, does not operate.	magnet switch badness	repair, replace
		switch button badness	repair, replace
		motor trouble	repair, replace
		voltage drop	check wire thickness and
			length
Not increase discharge pressure		reverse revolution	change phase (in case of 3 phase)
		pipe leakage	check, repair
		intake filter is stuffy	cleaning, replace
		setting pressure value is trouble	resetting
Safety valve operation		setting pressure value is trouble	resetting
		safety valve badness	replace
Abnormal noise		motor trouble	replace
		contact cooling fan	check, repair
		V-belt slip	tension adjustment, replace
		loose bolt	tighten a bolt
		driving reverse revolution	change phase (in case of 3 phase)
		basic trouble	repair replace

8. WIRING DIAGRAM

8.1 CSOF-S3~5PL(H)11


* NOTE *
1. USE ONLY 230V POWER INPUT
PIRMARY : INPUT VOLTAGE
SECONDARY : 110 V (60VA)
2. WIRING COLOR
B : BLACK BL : BLUE R : RED Y : YELLOW
3. MOTOR WIRING COLOR
1 : BLU 2 : WHT 3 : ORG 4 : YEL
5 : BLK 8 : RED 9 : GRY
E-FTH

8.2 CSOF-S3~5PL(H)31



9. REPAIR and MAINTENANCE PARTS

REPAIR PART LIST PUMPS

PART No.	DESCRIPTION	REMARKS
BC5KL-02	FIXED SCROLL SET(L)	
BC5KH-02	FIXED SCROLL SET(H)	
BC5KL(H)-04	ORBITING SCROLL SET	
BC5KL(H)-06	TIP SEAL SET	
BC5KL(H)-10	CRANK SHAFT	
BC5KL(H)-14	PIN CRANK SET	
BC5KL(H)-RK1	SUCTION FILTER ELEMENT	
BC5KL(H)-RK2	GREASE	

REPAIR PART LIST FOR MACHINE

PART No.	DESCRIPTION	REMARKS
520-70-00	V-BELT	
520-71-00	PRESSURE GAGE	
520-73-02	AFTER COOLER, 7.5/40HP	
520-74-03	VENTILATION FAN, 7.5-40HP@230V	
520-74-04	VENTILATION FAN, 7.5-40HP@460V	
520-75-02	MICOM P.C. BOARD, 7.5/40HP	
520-76-01	TEMPERATURE SENSOR	
520-76-03	DISCHARGE CHECK VALVE, 7.5-40HP	
520-76-04	PRESSURE TRANSMITTER	

WARRANTY CLAIM REPORT

Please complete the following claim form, your claim will be confirmed by our sales representative.

DISTRIBUTOR

Company	
Address	
Phone	
Fax	

CUSTOMER

Company	
Address	
Phone	
Fax	

DATE	
MODEL	
SERIAL NO.	
RUN HOURS	**HRS.**
SETTING PRESS	**PSIG**

OPERATING CONDITIONS

Percent(%) on load	%	Ambient Temperature	·F
No. of days of operation weekly	Days	Discharge temperature	·F
Hours per day	Hours	Compressor area temperature	·F
Machine setting OL/OL or Mod		Environment [1]	

[1] 1 to 10, 1 being clean, 10 very dirty

Incoming Voltages			Full load amperage at _____ PSIG			Unload amperage at _____ PSIG		
L1 - L2	L2 - L3	L1 - L3	L1 - L2	L2 - L3	L1 - L3	L1 - L2	L2 - L3	L1 - L3
Volts	Amp.	Amp.	Amp.	Amp.	Amp.	Amp.	Amp.	Amp.

Symptom
Fault Diagnosis
Resolution

PARTS REQUIRED

No	Item Number	Description/MFGR Part Number	Quantity
1			
2			
3			
4			

LABOR COST

LABOR TIME	Hrs x	$/Hr	$
TRAVEL TIME	Hrs x	$/Hr	$
Total Amount:	$		
Technicians name:			

WRITTEN BY	SIGNATURE

STARTUP REPORT

Please fill out completely and return to the factory to validate warranty.

CUSTOMER

CUSTOMER	
ADDRESS	
CITY/STATE	
PHONE	
WRITTTEN	

MACHINE INFORMATION

FACTORY SHIP DATE	/ /
DATE STARTED UP	/ /
MODEL NUMBER	
SERIAL NUMBER	
HOURS ON MACHINE	Hrs.

MACHINE INFORMATIONS AND INITIAL STARTUP

Compressor Environment ☐ excellent ☐ good ☐ fair ☐ poor.

Machine Location ☐ indoors ☐ outdoors ☐ if outdoors, protected from rain? ☐ Yes ☐ No

Approx. ambient temperature_____ adequate ventilation? ☐ Yes ☐ No

Did you check for correct rotation? ☐ Yes ☐ No Nameplate amperage for voltage used _____

INCOMING VOLTAGES

L1-L2	L2-L3	L1-L3
Volts	Volts	Volts

FULL LOAD AMPERAGE AT _____ PSIG

L1	L2	L3
Amp.	Amp.	Amp.

UNLOAD AMPERAGE AT _____ PSIG

L1	L2	L3
Amp.	Amp.	Amp.

Is the machine on a level and stable surface? ☐ Yes ☐ No

Did you have to add lubricant oil? ☐ Yes ☐ No

if yes, please indicate amount and exact name and type. (Amount _____ Name _____ Type _____)

Was a flexible connector used to connect piping? ☐ Yes ☐ No

Approx. time spent during startup procedure _____ Hrs.

Did you advice customer on operation and maintenance of machine? ☐ Yes ☐ No

Application and installation comments: _____

_____

_____

Machine Sold By(Company) _____

Startup performed by _____ Date _____

There is no warranty without this report!